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APPLICATION NO.	FIL	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/700,297	10/31/2003		T. William Hutchens	016866-001514	2693
20350	7590	02/01/2006		EXAMINER	
		TOWNSEND ANI	ALEXANDER, LYLE		
TWO EMBA EIGHTH FL		OCENTER	ART UNIT	PAPER NUMBER	
SAN FRAN	CISCO, C	A 94111-3834	1743		

DATE MAILED: 02/01/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/700,297	HUTCHENS ET AL.	
Office Action Summary	Examiner	Art Unit	
	Lyle A. Alexander	1743	
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING Description of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION OF THIS COMMUNICA	ATION. lly be timely filed HS from the mailing date of this communication. NDONED (35 U.S.C. § 133)	
Status			
 Responsive to communication(s) filed on <u>05 E</u> This action is FINAL. 2b) This Since this application is in condition for allowed closed in accordance with the practice under E 	s action is non-final. ance except for formal matter	•	
Disposition of Claims			
4) Claim(s) 74-109 is/are pending in the applicat 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 74-109 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	wn from consideration.		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposed and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	cepted or b) objected to by drawing(s) be held in abeyance tion is required if the drawing(s)	e. See 37 CFR 1.85(a).) is objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in Apprity documents have been re u (PCT Rule 17.2(a)).	olication No eceived in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/	nmary (PTO-413) Mail Date rmal Patent Application (PTO-152)	

Art Unit: 1743

Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 74-108 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Koster et al. (USP 5,547,835).

Koster teaches a method, apparatus and probe for laser desorption mass spectrometry using a biotin/streptavidin system for binding. Column 13 lines 3+ teach forming "L-L" bonds using biotin/streptavidin chemistries. Column 14 lines 5+ teach cleavage of "L-L" bonds using a laser desorption mass spectrometry system that is indistinguishable from that presently claimed. It is inherent the taught biotin/streptavidin system would have the claimed affinity constant and binding characteristics.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim 109 is rejected under 35 U.S.C. 103(a) as being unpatentable over Koster et al. in view of Beavis et al. (USP 5,045,694)

See Koster et al. supra.

Koster et al. teach use of a nitrogen laser but are silent to the claimed "Nd-YAG" laser.

Beavis et al. teach a laser desorption mass spectrometry method and apparatus.

Column 4 lines 48+ teach a suitable laser for the desorption is a Ng-YAG laser. This

type of laser has the advantages of having temporal and energy stability as well as a pulse width of 10ns.

It would have been within the skill of the art to modify Koster et al. in view of Beavis et al. and use a Ng-YAG laser to gain the above advantages.

Response to Arguments

Applicant's arguments filed 10/31/05 have been fully considered but they are not persuasive.

Applicants' state Koster et al. ('835) fails to teach immobilizing a moiety that binds to biotin on a mass spectrometry probe. The Office maintains Koster et al. teach in column 14 lines 5+ desorbing molecules attached by a "L-L" linkage. Koster et al. teaches in column 13 the "L-L" linkage is formed by biotin/streptavidin chemistry which has been read on the claimed moiety that binds to biotin.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lyle A. Alexander whose telephone number is 571-272-1254. The examiner can normally be reached on Monday, Wednesday and Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on 571-272-1267. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Lyle A Alexander Primary Examiner Art Unit 1743
